



# HF Happenings



South African Radio League \* Suid-Afrikaanse Radioliga  
Member Society of the International Amateur Radio Union since 1925

[www.sarl.org.za](http://www.sarl.org.za) [www.iaru.org](http://www.iaru.org) [www.iaru-r1.org](http://www.iaru-r1.org)

## March

2 and 3 - ARRL DX SSB Contest  
3 - SARL Hamnet 40 m contest  
9 and 10 - RSGB Commonwealth Contest  
10 - Cape Argus Bicycle tour  
16 and 17 - SARL VHF/UHF Contest  
17 - St Patrick's Day  
20 - Inland schools close; Autumn Equinox  
21 - Human Rights Day  
22 - Coastal schools holiday  
24 - Palm Sunday  
26 - Pesach starts  
28 - Coastal schools close  
29 - Good Friday  
30 and 31 - CQ WPX SSB Contest  
30 - Two Oceans marathon  
31 - Easter Sunday

## April

1 - Family day; Pesach ends  
4 - SARL 80 m QSO Party  
6 - RaDAR Contest  
8 - Coastal schools open  
9 - Inland schools open



Issue: 549

March 2013

## Youth and Radio

**T**he Thaba Voortrekker camp is held north of Rustenburg annually during the first school holiday of the year as has been done for more than a decade. The camp will be run from 20 to 26 March 2013.

During the camp, radio speech, radio operating and electronics, based on the RAE course, will be presented to the young campers in order for them to obtain the relevant badges. The Voortrekkers are encouraged to complete the course for the Radio Amateur badge after the camp, which includes the ZU examination.

During the camp, the training call sign of the Voortrekkers, ZS6VTS, will be used. The ZS6VTS station will be on the air daily between 16:00 and 19:00 CAT. The station will also be active on the 80, 40, 20, 15 and 10 m bands and the Rustenburg, Magalies, Pretoria and Centurion repeaters can be accessed from the campsite. A bulletin will be transmitted every evening shortly before 19:00 CAT. Please listen out for ZS6VTS and speak to the children from 20 to 26 March. Get more information in Afrikaans at <http://www.thabakamp.co.za/>



## "Youngsters On The Air"

**D**uring the summer of 2013, a youth radio camp "Youngsters On The Air" will be held near Tartu, Estonia from 5 to 12 August.

There will be 10 teams participating from different European member associations of IARU Region 1. The camp is organised by the Estonian Radio Amateurs Union. During this week teams of young radio amateurs from 10 different European countries will be participating in different activities - presentations, Contests, visiting radio stations, observatory, etc.

As two previous events in Romania and Belgium/Netherlands have shown, it will be a great experience for the young radio amateurs which they will never forget.

## North Korea

**R**ick, K6VVA has posted Information Update #2 to the "P5 CW Only & IOTA AS-197 Project" he has been working on for seven years now. "Recent 'circumstances' in P5 during the last several months have made this Project even more challenging, for obvious reasons", he says, "Yet a new alternative route to potential success has also materialised, and I decided to unleash the full 'long term' plan, which has been to activate ALL of the four P5 IOTA designators (AS-195, AS-196, AS-197 and AS-198)".

Over the past 18 months, Rick has been part of a discussion group (N7NG,

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(Continued from page 1)

G3SXW, ON4UN, ON4WW, W6SJ, ST2AR/S53R and others all with considerable DXpedition and/or DX QTH operating experience) and spent "considerable time in analysing and discussing the observed cause and effect relationship between the operating 'styles' (and errors) of many major DXpedition operators, which always result in the same predictable anti-social behaviours and chaos occurring in all pile-ups". Rick plans to produce a web viewable video soon, "summarising my perspective of the reality of things, which will also be the basis for any P5 operations and Pileup Management." Read the full release at [www.k6vva.com/p5/p5infoupdates.html](http://www.k6vva.com/p5/p5infoupdates.html)

### SARL 80 m QSO Party

**T**he aim of this contest is to create an interest in and activity on the 80 m band. It is a phone only contest on Thursday 4 April 2013 from 17:00 to 20:00 UTC.

Only frequencies in the segment 3 603 to 3 650 and 3 700 to 3 800 kHz may be used and the exchange is call signs, a RS signal report and the operator's name.

You can take part as a Single Operator station or a Short Wave Listener (SWL).

You earn 10 points for every contact with a South African station and 15 points for every contact with a station outside South Africa.

Log sheets shall be sent by e-mail to [zs5lp@vodamail.co.za](mailto:zs5lp@vodamail.co.za) and the closing date for your log submissions is 12 April 2013.

### RaDAR Contest

**T**he RaDAR contest is an event aimed at promoting the use of Rapidly Deployable Amateur Radio stations.

This contest is for all licensed radio amateurs. A choice is made prior to the contest to participate in one of the defined categories. The points system is so structured as to encourage portable operation especially moveable stations.

The contest will be on the air on Saturday 6 April 2013, starting at 14:00 UTC and ending at 18:00 UTC - 4 hours = Approximately 2 during the day and 2 at night.

All amateur bands, besides the WARC bands, are allowed including cross band contacts via amateur radio satellites. Modes - CW, SSB, AM, FM or any digital mode. QSOs via terrestrial repeaters will NOT be allowed.

The suggested HF Calling frequencies are CW 1 836, 3 560, 7 030, 14 080, 21 080 and 28 060 kHz; SSB 1 845, 3 690, 7 090, 14 240, 21 350 and

28 360 kHz (ZU licensees have access to 80, 40 and 10 m); PSK 1 838 - 1 840, 3 580 - 3 582, 7 040 - 7 047 and 14 070 - 14 072 kHz; RTTY 3 582 - 3 620, 7 042 - 7 060 kHz and 14 080 - 14 099 kHz (check the IARU Region 1 HF Band plan for more detail).

The exchange is call sign, name, RS(T) report, QTH and grid locator. Note the grid locator can change as RaDAR operators are allowed to move position at any time. The grid locator of six digits is acceptable but should preferably be accurate to 10 digits. If the grid locator is not known, then some other information that could describe the location, e.g. Mabula Lodge, 40 km west of Warmbaths

Each QSO counts 1 point and 1 QSO per mode, per band / satellite, per call sign is allowed.

The following multipliers are applicable to determine the final score.

a. Category:

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*Have you done  
anything this week  
to Promote  
Amateur Radio?*



(Continued from page 2)

Fixed RaDAR station - at home / portable away from home

Moving RaDAR station - on foot / in a car, on a motorcycle or bicycle

b. Category multiplier:

X 1 - RaDAR Fixed station (at home or in another building)

X 2 - RaDAR Field station (portable away from home)

X 3 - Moving RaDAR station, car / motorcycle / bicycle - minimum 5 km

X 4 - Moving RaDAR station, on foot - minimum 1 km

Note: Moving RaDAR stations can move at any time but are required to move to the next destination after five contacts have been made from the present location. The move needs to cover the required distance before further contacts are allowed to be made.

c. Power multiplier: The power multiplier that applies is determined by the highest power output of any of the transmitters used during the contest - 5 watts or less the power multiplier is six (6); 6 to 50 watts, the power multiplier is four (4) and 51 watts or greater, the power multiplier is two (2).

Bonus points (All categories). 5 Points (equivalent to five QSOs) for a minimum of one satellite or any digital mode QSO involving a computer. (For clarity: thereafter 1 point per Satellite / Digital modes QSO)

Log Sheets must be sent to [edleighton@gmail.com](mailto:edleighton@gmail.com) and the closing date for logs is 22 April 2013. A photo of the station (JPG format) MUST accompany every log entry.

## CQ WW WPX SSB Contest

**T**he CQ WW WPX SSB Contest takes place from 00:00 UTC Saturday 30 to 23:59 UTC Sunday 31 March. The objective is for amateurs world wide to contact as many amateurs and prefixes as possible during the contest period.

The period of operation is 48 hours, single operator stations may operate 36 of the 48 hours - off times must be a minimum of 60 minutes during which no QSO is logged. Multi-operator stations may operate the full 48 hours.

Only the 160, 80, 40, 20, 15 and 10 bands may be used. Observance of established band plans is strongly encouraged. The exchange is a RS report plus a progressive contact serial number starting with 001 for the first contact. Note: Multi-Two and Multi-Unlimited entrants use separate serial number sequences on each band. Get the complete set of rules at <http://www.cqwpw.com/rules.htm>

## Results of the SARL Digital Contest

**T**he first SARL Digital Contest was held on Saturday 24 February 2013. The Contest Committee received 8 logs which included a log from B. L. Manohar, VU2UR. According to the logs there were 32 stations active.

1st - Jaco le Roux, ZS6PX - 630 points

2nd - Colette Rundle, ZS2CR - 528 points

3rd - Derek Stuart, ZS2J - 450 points

Congratulations to the winners and thanks to all who submitted their logs.

Unfortunately I do not know who got the 4th, 5th, 6th 7th and 8th places!

*"... promoting  
the use of  
Rapidly  
Deployable  
Amateur Radio  
stations."*



## Results for the SARL Hamnet 40 m Simulated Emergency contest

**T**he SARL Hamnet 40 metre Simulated Emergency Contest was held on Sunday 3 March 2013. The Contest Committee received 18 logs.

### Category A (Single operator stationary mobile)

- 1<sup>st</sup> John Kramer, ZS5J - 1 890 points  
2<sup>nd</sup> Andy Cairns, ZS6ADY - 1 332 points

### Category B (Single operator portable)

- 1<sup>st</sup> Christo Kriek, ZR6LJK - 1 449 points  
2<sup>nd</sup> Al Akers, ZS2U - 1 098 points  
3<sup>rd</sup> Wilhelm Taljaard, ZS6BWT - 480 points  
4<sup>th</sup> Eddie Leighton, ZS6BNE - 72 points

### Category C (Multi operator portable)

- 1<sup>st</sup> Hibiscus Coast ARC, ZS5HAC - 1 500 points  
2<sup>nd</sup> South Cape ARC, ZS1SKR - 1 440 points  
3<sup>rd</sup> (if he had submitted the log) Bloemfontein ARC, ZS4BFN - 930 points

### Category D (Single operator base station)

- 1<sup>st</sup> Jo Snyders, ZS5PO - 2 352 points  
2<sup>nd</sup> Hendrik Rudman, ZS6RHL - 1 995 points  
3<sup>rd</sup> Johannes van Zijl, ZS4DZ - 1 764 points  
4<sup>th</sup> Nigel Burgess, ZR6NGB - 1 204 points  
5<sup>th</sup> Francios Reyneke, ZU6FR - 1 185 points  
6<sup>th</sup> Mitch Rundle, ZS2DK - 1 104 points  
7<sup>th</sup> Derek Stuart, ZS2J - 1 026 points  
8<sup>th</sup> Pam Momberg, ZS6APT - 980 points  
9<sup>th</sup> Heather Holland, ZS6YE - 222 points  
10<sup>th</sup> Gawie Hoon, ZS5R - 72 points

Congratulations to the category winners

## African DX

5H, Tanzania. Bodo, DF8DX, will be active as 5H1DX between 20 and 28 April. Activity will include the activation of several IOTAs which include the following: AF-075 - Bongoyo Island as 5H1DX3; AF-063 - Pemba Island as 5H1DX and AF-032 - Zanzibar as 5H1DX. Operations will be on the HF bands and EME. QSL via DF8DX.

9X, Rwanda. Kiyoshi "KIYO", JR1IZM (ex-V31IZ, 7P8ZM), has been in Kigali since February and announced that he finally received his license/call sign 9X0ZM. He will be there until March of 2014 and expects to be active soon. Activity will be limited to his free time. He will use an IC-7200 with ATU/AH-4 and Loop antenna. Operations will be mainly 20 metres on the digital mode JT65, CW and SSB. QSL via JO1CRA, direct (SASE) or by the Bureau.

C5, Gambia. Pedro, AA9HX/ON7WP will be active from near Kololi and from Buntu

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The following operation is approved for DXCC credit:

*9XØZM - Rwanda, 2013 operation*

Bill Moore, NC1L,  
ARRL Awards  
Branch Manager





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village from 20 to 27 March as C5WP. He will use dipoles on top of a three storey building with a FT-897. To cope with the frequent power failures, he will use battery power when needed. Later this year, in August, he will return for another two weeks. QSL direct via ON7WP. <http://www.africajeepsafari.com/>

T5, Somalia. Tevfik, TA1HZ will be in Modadishu on a humanitarian mission as a doctor from 23 March to 4 April and in his free time be active as T5TC with a TS-480 and a Windom antenna. QSL via TA1HZ. <https://yyd.org.tr/>

### African Islands

FR, Réunion Island. Guy, F5MNW, will be active as FR/F5MNW from Réunion Island (AF-016) between 6 and 29 April. Activity will be on the HF bands using only CW. QSL via his home call sign, direct or by the Bureau.

TO7, Mayotte. Hartwig, DL7BC, will once again be active as FH/DL7BC from Mayotte (AF-027) between 26 March and 12 April. Activity will be from the QTH of Bruno, DH1BL/FH4VOS. Operations will be on 80 - 10 metres plus participation in CQWW WPX SSB Contest signing TO7BC. QSL via his home call sign, direct or by the Bureau. For more details, visit it his Web site at [http://www.gslnet.de/member/dl7bc/en\\_TO7BC.htm](http://www.gslnet.de/member/dl7bc/en_TO7BC.htm)

Lampedusa Island, AF-019. An international team of operators will be active as IG9Y from Lampedusa Island between 17 and 30 October. Operators mentioned are Khalid, A61BK, Gianni, IT9BUN, Roy, IW9ELR, Don, JH5GHM, Boyko, LZ1QN, Dale, N3BNA, Frederic, ON4LG, Aurelio, PC5A, Romeo, S52RU, Peter, S54W, Renato, S57UN, and Drago, S59A. Activity will be on 160 - 6 metres using CW, SSB, and RTTY, with four stations on the air. The team will be in the CQ WW DX SSB Contest (26 and 27 October) as a Multi-2 entry. QSL via ON4LG. An OQRS will be available for direct and Bureau cards. Visit their Web page at <http://ig9.ii9p.com>

### PAOOKING, special call on the 30 April 2013

PAOOKING is the special call on 30 April 2013, the Coronation of the new Dutch King Willem Alexander. Queen Beatrix's decision to hand over the throne to her eldest son may have historical significance, but the actual process and ceremony is very simple. On April 30, she will sign a document - the act of abdication - and Willem-Alexander automatically becomes king, although he still has to be inaugurated. His oldest daughter, Catharina-Amalia, will automatically become first in line to succeed him.

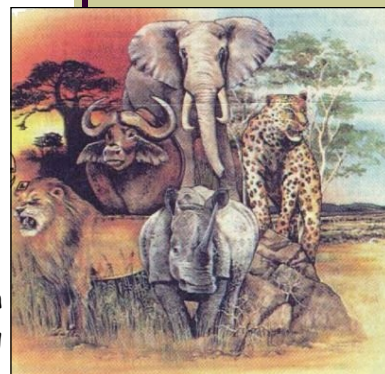
Willem-Alexander will be sworn in in the Nieuwe Kerk in Amsterdam, but it will be a secular rather than a religious ceremony. The inauguration takes the form of a meeting of the upper and lower houses of parliament - as set down in the constitution. This means all members of the lower and upper houses of parliament will be there as will a limited number of other guests. The new king will then swear to be faithful to the constitution and to fulfil his role properly. For more please go to [www.pi4kar.net](http://www.pi4kar.net)

### Contest Calendar

Bucharest Contest  
18:00 UTC-20:59 UTC 18 March

Mode: CW, SSB, PSK31

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This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 18 to 25 March 2013



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Bands: 80, 40 m

Classes: Single Op QRP - CW, SSB, Dig or Mixed; Single Low Power (LPI) - CW, SSB, Dig or Mixed; Multi-Op Low Power (LPG) - CW, SSB, Dig or Mixed; SWL  
Max power: LP: 100 watts; QRP: 5 watts  
Exchange: YO: RS(T), QSO no and sector or county; non-YO: RS(T), QSO no and Country Code

Work stations: Once per mode

QSO Points: 2 points per QSO: YO3 - YO3 or YO - YO or YO - Foreign; 4 points per QSO: YO3 - YO or YO - YO3 or YO3 - Foreign

Multipliers: Each YO county; Each YO3 sector

Each country code

Score Calculation: Total score = total score of each segment (total QSO points x total mults)

Submit logs by: 23:59 UTC 28 March 2013

E-mail logs to: [fenyo3jw@yahoo.com](mailto:fenyo3jw@yahoo.com)

Mail logs to: (none)

Find rules at: <http://bucuresti.ynos.ro/cb/index.php/en/>

CLARA HF Contest

17:00 UTC 19 March to 17:00 UTC 20 March and 17:00 UTC 23 March to 17:00 UTC 24 March

Mode: CW, Phone

Bands: 80, 40, 20, 15, 10, 2 m

Classes: Single Op (Low/High)

Max operating hours: 24

Max power: HP: >200 W; LP: 200 W

Exchange: Name, QTH and CLARA member, family member or non-member YL or OM

Work stations: Once per band per mode

QSO Points: 10 points per QSO with CLARA member; 5 points per QSO with CLARA family member; 4 points per QSO with non-member YL; 1 point per QSO with OM

Bonus Points: (see rules)

Multipliers: Each VE province/territory once per band per mode; Each DXCC country (must be YL QSO) once per band per mode

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 20 April 2013

E-mail logs to: [ve9glf@nbnet.nb.ca](mailto:ve9glf@nbnet.nb.ca)

Mail logs to: Linda Friars, VE9GLF, 35 Upper Quaco Road, Baxter Corner, NB E2S 2S2, Canada

Find rules at:

[http://www.clarayl.ca/index.php?o\\_p\\_tion=com\\_content&view=article&id=62&Itemid=71](http://www.clarayl.ca/index.php?o_p_tion=com_content&view=article&id=62&Itemid=71)

QRP Fox Hunt

01:00 - 02:30 UTC 20 March

Mode: CW

Bands: 40 m Only

Classes: Single Op (Fox/Hound)

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 02:30 UTC 21 March 2013

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

[http://www.qrpfoxhunt.org/winter\\_rules.htm](http://www.qrpfoxhunt.org/winter_rules.htm)

NAQCC Straight Key/Bug Sprint

00:30 - 02:30 UTC 21 March

Mode: CW

Bands: 80, 40, 20 m

Classes: (none)

Max power: 5 watts

Exchange: RST, state, province or country and NAQCC no or power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 2 points per QSO with member

Multipliers: Each state, province or country once

Key Type Mult: 2 x if straight key, 1.5 x if bug, 1 x if other

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Score Calculation: Total score = total QSO points x total mults x key type mult

Submit logs by: 23:59 UTC 24 March 2013

Upload log at:

<http://naqcc.info/sprintlog.html>

Mail logs to: John Shannon, K3WWP, 478 E. High St., Kittanning, PA 16201, USA

Find rules at:

<http://naqcc.info/sprint201303.html>

RSGB 80 m Club Championship, SSB

20:00 - 21:30 UTC 21 March

Mode: SSB

Bands: 80 m Only

Classes: (none)

Exchange: RS and serial no

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: (see rules)

Submit logs by: 23:59 UTC 28 March 2013

Upload log at: <http://www.vhfcc.org/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at: <http://www.rsgbcc.org/hf/rules/2013/r80mcc.shtml>

QRP Fox Hunt

01:00 - 02:30 UTC 22 March

Mode: CW

Bands: 80 m Only

Classes: Single Op (Fox/Hound)

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 02:30 UTC 23 March 2013

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

[http://www.qrpfoxhunt.org/winter\\_rules.htm](http://www.qrpfoxhunt.org/winter_rules.htm)

NCCC RTTY Sprint

01:30 - 02:00 UTC 22 March

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: (see rules)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 24 March 2013

E-mail logs to: (none)

Post log summary at:

<http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at:

<http://www.ncccsprint.com/rules.html>

NCCC Sprint

02:15 - 03:00 UTC 22 March

Mode: (see rules)

Bands: (see rules)

Classes: (none)

Exchange: (see rules)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 24 March 2013

E-mail logs to: (none)

Post log summary at:

<http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at:

<http://www.ncccsprint.com/rules.html>

FOC QSO Party

00:00 - 23:59 UTC 23 March

Mode: CW

Bands: 160, 80, 40, 20, 15, 10, VHF

Classes: Single Op

Exchange: FOC-Member: RST, name and member no; non-Members: RST and name

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: FOC-Member: Score = Total QSOs/Total Member QSOs; non-Member: Score = Total Member QSOs

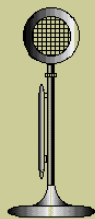
Submit logs by: 6 April 2013

E-mail log summary to: [kz5d@aol.com](mailto:kz5d@aol.com)

Mail logs to: (none)



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Find rules at: <http://g4foc.org/Default.aspx?pageId=1143601>

#### Nauryz DX Contest

02:00 - 07:59 UTC 23 March

Mode: CW, SSB

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op All Band Mixed (Low/High); Single Op All Band CW; Single Op All Band SSB; Multi-Single; SWL

Max power: HP: >100 watts; LP: 100 watts

Exchange: Central Asian: RS(T) and 2-character oblast; Others: RS(T) and ITU Zone

Work stations: Once per band per mode

QSO Points: 1 point per QSO with central Asia; 1 point per QSO with same ITU zone; 3 points per QSO with different ITU zone same continent; 5 points per QSO with different continent

Multipliers: Each central Asian oblast once per band; Each ITU zone once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 7 April 2013

E-mail logs to:

[nauryz@nauryz-dx-contest.com](mailto:nauryz@nauryz-dx-contest.com)

Mail logs to: (none)

Find rules at:

<http://www.nauryz-dx-contest.com/>

#### Alaska QSO Party

18:00 UTC 23 March to 23:59 UTC 24 March

Mode: CW, Phone, RTTY, PSK

Bands: 160, 80, 40, 20, 15, 10 m

Classes: (none)

Exchange: QSO No. and Name and 4-character grid square

QSO Points: (see rules)

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 7 April 2013

E-mail logs to: [AKQSO@KL7YK.US](mailto:AKQSO@KL7YK.US)

Mail logs to: AK QSO Party, PO Box 6079, Elmendorf AFB, AK 99506, USA

Find rules at: <http://kl7yk.us/akqso.htm>

#### UBA Spring SSB Contest

07:00 - 11:00 UTC 24 March

Mode: SSB

Bands: 80 m Only

Classes: Single; SWL

Max power: non-QRP: >10 watts; QRP: 10 watts

Exchange: ON: RS, serial no and UBA Section; non-ON: RS and serial no

QSO Points: 3 points per QSO with Belgian station

Multipliers: Each UBA Section

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 7 April 2013

E-mail logs to: [ubaspring@uba.be](mailto:ubaspring@uba.be)

Mail logs to: (none)

Find rules at: <http://www.uba.be/hf/contest-rules/spring-contest>

## Batteries at the Heart of Portable Comms

**B**ack about 20 years ago, NiCd batteries were notorious for having a pronounced memory effect caused by a special type of crystal formation within the battery. This particular mechanism has been eliminated in current NiCd cells but our memory of it, so to speak, is long.

Today's batteries all have some kind of memory in which the capacity of the battery changes with patterns and

depths of discharge. Each type of battery chemistry exhibits this effect for different reasons - some types stronger than others. Unfortunately, it is also referred to as a "memory effect" which is confusing to those of us who remember the old "memory effect." Nothing like calling two different things by the same name to generate a lot of confusion!

Because this effect varies with

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battery type, blanket statements about it are unwise. Isidor Buchmann's excellent and very readable book, *Batteries in a Portable World*, and its sibling website, [www.batteryuniversity.com](http://www.batteryuniversity.com), tackle the full spectrum of battery types and how to apply them. On the website, I highly recommend taking the opportunity to read the section "How

to Prolong Battery Life." The book is available from the ARRL Store and other booksellers. Both should put a charge into your understanding of this important energy source that is crucial to effective emcomm operation. Good luck and may your batteries live long and prosper! - Ward Silver, NOAX, Contributing Editor, QST; ARRL Contest Update Editor; St. Charles, Missouri

### Zen and the Art of Radiotelegraphy

**T**he book *Zen and the Art of Radiotelegraphy* by Carlos Consoli, IK0Y6J, is now available for the Kindle. The description says, "This book is the result of several years of experience in amateur radiotelegraphy. It suggests, for the first time, a learning methodology based on an integrated and multidisciplinary approach designed to accompany the apprentice from the first steps in ham radio all the way to a world-class proficiency in telegraphy. The book introduces, ad-hoc tailored to amateur radio, techniques used successfully by competitive athletes, including extreme sports such as free diving, adapted to the difficult process of learning telegraphy."

The Kindle book is on Amazon at <http://www.amazon.com/Zen-The-Art-Radiotelegraphy-ebook/dp/B00BVOBJDQ/>

### Next Week's Contest

SKCC Sprint, 00:00 - 02:00 UTC 27 March

QRP Fox Hunt, 01:00 - 02:30 UTC 27 March

CWops Mini-CWT Test, 13:00 - 14:00 UTC, 19:00 - 20:00 UTC 27 March and 03:00 - 04:00 UTC 28 March

QRP Fox Hunt, 01:00 - 02:30 UTC 29 March

NCCC Sprint, 02:30 - 03:00 UTC 29 March

CQ WW WPX Contest, SSB, 00:00 UTC 30 March to 23:59 UTC 31 March

RSGB 80m Club Championship, CW, 19:00 - 20:30 UTC 1 April

### History This Week for the week starting 18 March

1474 - The Venetian Patent Law, the first of its kind in the world was enacted

1639 - America's first canal to provide industrial waterpower was begun in Dedham, Mass

1684 - Giovanni Domenico Cassini discovered two moons of Saturn: Tethys and Dione

1800 - Alessandro Volta dated a letter announcing his invention of the voltaic pile to Sir Joseph Banks

1802 - Richard Trevithick took out his first patent. It was for the first full sized road locomotive

1821 - Bauxite, an aluminium ore, was discovered in southern France near the village of Les Baux by Pierre Berthier

1886 - America's first demonstration of the alternating-current system provided lighting along Main Street at Great Barrington

1895 - The first motion picture shown on a screen was presented by Auguste and Louis Lumière

1900 - Nikola Tesla received a patent for the wireless transmission of electric power

1932 - The Sydney Harbour Bridge, Australia, was opened

*Items used with acknowledgement to The ARRL Letter, Amateur Radio Newline, OPDX Bulletin, 425 DX Bulletin, DXNL Bulletin, ARRL DX News, WIA-News, the RSGB News and Southgate ARC News*

## HF Happenings

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